AMENDMENTS TO THE CLAIMS

Applicant respectfully requests that all previous versions of the claims be replaced with the following:

1-4. (Canceled).

5. (Currently amended) A deaerating method of a chemical liquid supply apparatus having: a pump discharging a liquid by communicating with the liquid accommodated in a liquid tank through a liquid introduction flow path to which a pump inlet-side valve for opening/closing the flow path is provided; a filter connected to said pump through a pump outlet flow path provided with a pump discharge-side valve and opened/closed by said pump discharge-side valve; and a liquid dispense portion connected to said filter through a liquid discharge flow path provided with a discharge valve and opened/closed by said discharge valve, and dispensing the liquid in said liquid tank from said liquid dispense portion, the deaerating method comprising the processes of:

performing a sucking operation of said pump under such a state that said pump-inlet side valve is opened and that said pump discharge-side valve is closed;

performing a discharging operation of said pump under such a state that said pump-inlet side valve and said discharge valve are closed and that said pump discharge-side valve is opened;

performing a sucking operation of said pump under such a state that a deaeration valve provided to an exhaust flow path communicating with an

inlet side of said filter, said pump inlet-side valve, and said discharge valve are closed and that said pump discharge-side valve is opened; and

performing a discharging operation of said pump under such a state that said deaeration valve and said pump discharge-side valve are opened and that said pump inlet-side valve and said discharge valve are closed.

6. (Currently amended) A chemical liquid supply apparatus comprising:

a pump discharging a liquid by communicating with the liquid accommodated in a liquid tank through a liquid introduction flow path to which a pump inlet-side valve for opening/closing the flow path is provided;

a filter connected to said pump through a pump outlet flow path provided with a pump discharge-side valve and opened/closed by said pump discharge-side valve;

a liquid dispense portion connected to said filter through a liquid discharge flow path provided with a discharge valve, the liquid in said liquid tank being dispensed from said liquid dispense portion;

an exhaust flow path provided in communication with an inlet side of said filter; ~~and~~

a deaeration valve provided to said exhaust flow path; and

a system control section configured to close said deaeration valve, said pump inlet-side valve, and said discharge valve and to open said pump discharge-side valve while performing a sucking operation of said pump, and configured to open said deaeration valve and said pump discharge-side valve and to close said pump inlet-side valve and said discharge valve while performing a discharge operation of said pump~~, the deaeration valve closing said exhaust flow path in performing a sucking operation of said pump under such a state that said pump inlet-side valve and said discharge valve are closed and that said pump discharge-side valve is opened, and opening said exhaust flow path in performing a discharging operation of said pump under a state that said pump discharge-side valve is opened and that said pump inlet-side valve and said discharge valve are closed~~.